

## 260-RK300-04 Leaf Wetness Sensor

The **260-RK300-04 Leaf Wetness Sensor** provides accurate measurement of trace moisture, fog, mist, rain, and ice crystal residue. The sensor shape and surface characteristics simulate the characteristics of a leaf surface. The presence of moisture is detected by measuring the variation of the dielectric constant of the upper surface of the blade. Leaf wetness monitoring is an important tool for modeling plant diseases.

### Features

- Emulates water accumulation on the leaf
- Detects fog, condensation, frost, and rainfall
- IP65 rated waterproof sensor
- High precision, fast response, reliable performance
- Multiple signal output options available



### Applications

- Research on the growth and development of crops
- Early warning of pest and disease potential
- Irrigation and sprinkler monitoring

	Wetness	Temperature (Modbus)
Range	0-100%	-40°C to +80°C
Accuracy	± 3% (0 to 50%), ± 5% (>50%)	±0.5°C (-10°C to +50°C)
Principle	Capacitance	Thermal Resistance
Repeatability	<±3% FS	
Temperature Drift	≤0.2% FS/°C	
Supply	12-24 Vdc std, 5 Vdc opt	
Output	0-5 V, 4-20 mA, RS485	
IP Rating	IP67	
Operating Temperature	-40°C to +80°C	
Dimensions	65 x 13 x 145 mm	
Mounting	Install grid side up at an angle similar to plant leaf angle	
Storage	-40°C to +80°C @ 20% to 90% RH	



The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

### Ordering Information

260-RK300-04BA3000	Leaf Wetness Sensor, 3 meters cable, 12-24Vdc power, 4-20 mA output
260-RK300-04BB3000	Leaf Wetness Sensor, 3 meters cable, 12-24Vdc power, 0-5V output
260-RK300-04BD3000	Leaf Wetness Sensor, 3 meters cable, 12-24Vdc power, RS485 output

Consult factory for additional options